



CONSTRUCTION EQUIPMENT

SPM659044-10 VOLVO A40G 341625 - BOGIE/CENTER AXLE



Sample No: VCP442648
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SPM659044-10



SAMPLE INFORMATION

Sample Number	VCP442648	VCP392967	VCP344753	VCP299507
Sample Date	11 Jan 2024	17 Mar 2023	01 Oct 2021	04 Jan 2021
Machine Hours	8515	7472	5457	4161
Oil Hours	0	2015	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 40°C	cSt	270	307	303	308
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	3	3	3
Sodium	ppm	<1	1	<1	<1
Potassium	ppm	1	0	14	9

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	32	33	19	46
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	0	0
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	9	4	2	2
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	173	102	70	68
Magnesium	ppm	52	18	15	10
Zinc	ppm	113	57	35	26
Phosphorus	ppm	1152	1017	708	885
Barium	ppm	0	0	0	0
Boron	ppm	176	197	128	170

Depot: VOLVO0090
Unique No: 10835299
Signed: Don Baldrige
Report Date: 20 Jan 2024



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GRAPHS

